FREQUENCY COEFFICIENT SCANNING PATHS
FOR CODING DIGITAL VIDEO CONTENT

ABSTRACT OF THE DISCLOSURE

A method and system of transform-based encoding, decoding, and bitstream generation of digital video content is disclosed. The digital video content comprises a stream of pictures, slices, or macroblocks which can each be intra, predicted or bi-predicted pictures. The pictures, slices, or macroblocks comprise blocks of pixels. The method and system comprises scanning frequency coefficients from each of the block's two dimensional array of frequency coefficients in a manner that is vertically biased, producing a one dimensional array of frequency coefficients. The method and system also provide for scanning/assigning frequency coefficients from a one dimensional array of frequency coefficients, producing a two dimensional array of frequency coefficients.